

WHAT IS CLAIMED IS:

1. A method of forming a composition comprising adding at least one first compound that is at least one of an alkali metal salt, an ammonium salt, an alkali metal hydroxide, or an ammonium hydroxide and at least one second compound that is at least one of a Group IIA salt, a Group IIIA salt, a Group IIIB salt, a copper salt, a zinc salt, a cadmium salt, a manganese salt, an iron salt, a cobalt salt, or a nickel salt to a latex.
2. The method of claim 1 further comprising drying the composition.
3. The method of claim 1, wherein the at least one first compound is added before the at least one second compound.
4. The method of claim 1, wherein the at least one second compound is added before the at least one first compound.
5. The method of claim 1, wherein the at least one first compound is added to the latex in an amount from greater than 0 to about 4 parts by weight parts by weight of the composition.
6. The method of claim 1, wherein the at least one second compound is added to the latex in an amount from greater than 0 to about 2 parts by weight of the composition.
7. The method of claim 1, wherein the salts of the at least one first compound are selected from the group consisting of sulfates, carbonates, silicates, phosphates, phosphites, borates, fluorides, sulfites, oxalates, citrates, and combinations thereof.
8. The method of claim 1, wherein the alkali metal of the at least one first compound is at least one of sodium or potassium.
9. The method of claim 1, wherein the at least one first compound is selected from the group consisting of sodium hydroxide (NaOH), sodium sulfate (Na₂SO₄), sodium bisulfate (NaHSO₄), sodium carbonate (Na₂CO₃), sodium bicarbonate (NaHCO₃), sodium metasilicate (Na₂SiO₃), sodium disilicate (Na₂Si₂O₅), sodium orthosilicate (Na₄SiO₄), sodium orthophosphate (Na₃PO₄), disodium hydrogen phosphate (Na₂HPO₄), sodium dihydrogen phosphate (NaH₂PO₄), hexasodium metaphosphate ((NaPO₃)₆), trisodium

metaphosphate ((NaPO₃)₃), sodium triphosphate (Na₅P₃O₁₀), sodium hypophosphate (NaH₂PO₂), sodium dihydrogen orthophosphate (NaH₂PO₃), sodium metaborate (NaBO₂), sodium sulfite (Na₂SO₃), sodium citrate (Na₃C₆H₅O₇), potassium hydroxide (KOH), potassium sulfate (K₂SO₄), potassium bisulfate (KHSO₄), potassium carbonate (K₂CO₃), potassium bicarbonate (KHCO₃), potassium sodium carbonate (KNaCO₂), potassium metasilicate (K₂SiO₃), potassium tetrasilicate (K₂Si₄O₉), potassium orthophosphate (K₃PO₄), dipotassium hydrogen phosphate (K₂HPO₄), potassium dihydrogen phosphate (KH₂PO₄), hexapotassium metaphosphate ((KPO₃)₆), tetrapotassium metaphosphate ((KPO₃)₄), potassium pyrophosphate (K₄P₂O₇), potassium subphosphate (K₂PO₃), potassium hypophosphate (KH₂PO₂), potassium dihydrogen orthophosphate (KH₂PO₃), potassium metaborate (KBO₂), potassium tetraborate (K₂B₄O₇), potassium fluoride (KF), potassium sulfite (K₂SO₃), potassium hydrogen sulfite (KHSO₃), potassium citrate (K₃C₆H₅O₇), monobasic potassium citrate (KH₂C₆H₅O₇), ammonium hydroxide (NH₄OH), ammonium sulfate ((NH₄)₂SO₄), ammonium bisulfate (NH₄HSO₄), ammonium carbonate ((NH₄)₂CO₃), ammonium bicarbonate (NH₄HCO₃), ammonium orthophosphate ((NH₄)₃PO₄), diammonium hydrogen phosphate ((NH₄)₂HPO₄), ammonium dihydrogen phosphate (NH₄H₂PO₄), ammonium sodium phosphate (NaNH₄HPO₄), ammonium hypophosphate (NH₄H₂PO₂), ammonium dihydrogen orthophosphate (NH₄H₂PO₃), ammonium fluoride (NH₄F), ammonium sulfite ((NH₄)₂SO₃), ammonium bisulfite (NH₄HSO₃), ammonium binoxalate (NH₄HC₂O₄), diammonium citrate ((NH₄)₂HC₆H₅O₇), triammonium citrate ((NH₄)₃C₆H₅O₇), and combinations thereof.

10. The method of claim 1, wherein the salts of the at least one second compound are selected from the group consisting of chlorides, sulfates, nitrates, and combinations thereof.
11. The method of claim 1, wherein the at least one second compound is selected from the group consisting of calcium chloride (CaCl₂), calcium nitrate (Ca(NO₃)₂), magnesium chloride (MgCl₂), magnesium nitrate (Mg(NO₃)₂), magnesium sulfate (MgSO₄), aluminum chloride (AlCl₃), aluminum nitrate (Al(NO₃)₃), aluminum sulfate (Al₂(SO₄)₃), beryllium chloride (BeCl₂), beryllium nitrate (Be(NO₃)₂), beryllium sulfate (BeSO₄), copper (II) chloride (CuCl₂), copper (II) nitrate (Cu(NO₃)₂), copper (II) sulfate (CuSO₄),

strontium chloride (SrCl_2), strontium nitrate ($\text{Sr}(\text{NO}_3)_2$), barium chloride (BaCl_2), barium nitrate ($\text{Ba}(\text{NO}_3)_2$), zinc chloride (ZnCl_2), zinc nitrate ($\text{Zn}(\text{NO}_3)_2$), zinc sulfate (ZnSO_4), cadmium chloride (CdCl_2), cadmium nitrate ($\text{Cd}(\text{NO}_3)_2$), cadmium sulfate (CdSO_4), scandium chloride (ScCl_3), scandium nitrate ($\text{Sc}(\text{NO}_3)_3$), scandium sulfate ($\text{Sc}_2(\text{SO}_4)_3$), gallium chloride (GaCl_3), gallium nitrate ($\text{Ga}(\text{NO}_3)_3$), gallium sulfate ($\text{Ga}_2(\text{SO}_4)_3$), indium chloride (InCl_3), indium nitrate ($\text{In}(\text{NO}_3)_3$), indium sulfate ($\text{In}_2(\text{SO}_4)_3$), lanthanum chloride (LaCl_3), lanthanum nitrate ($\text{La}(\text{NO}_3)_3$), manganese (II) chloride (MnCl_2), manganese (II) nitrate ($\text{Mn}(\text{NO}_3)_2$), manganese (II) sulfate (MnSO_4), iron (II) chloride (FeCl_2), iron (II) nitrate ($\text{Fe}(\text{NO}_3)_2$), iron (II) sulfate (FeSO_4), iron (III) chloride (FeCl_3), iron (III) nitrate ($\text{Fe}(\text{NO}_3)_3$), iron (III) sulfate ($\text{Fe}_2(\text{SO}_4)_3$), cobalt (II) chloride (CoCl_2), cobalt (II) nitrate ($\text{Co}(\text{NO}_3)_2$), cobalt (II) sulfate (CoSO_4), cobalt (III) chloride (CoCl_3), nickel chloride (NiCl_2), nickel nitrate ($\text{Ni}(\text{NO}_3)_2$), nickel sulfate (NiSO_4), and combinations thereof.

12. The method of claim 1, wherein combinations of the at least one first compound and the at least one second compound are selected from the group consisting of I + V, II + V, III + V, IV + V, I + IV + V, I + VI, II + VI, III + VI, I + VII, II + VII, and III + VII, wherein
 - I) at least one of sodium hydroxide, sodium carbonate, sodium silicate, and/or sodium phosphate;
 - II) at least one of potassium hydroxide, potassium carbonate, potassium silicate, and/or potassium phosphate;
 - III) at least one of ammonium hydroxide, ammonium carbonate, ammonium silicate, and/or ammonium phosphate;
 - IV) at least one of sodium sulfate, potassium sulfate, and/or ammonium sulfate;
 - V) at least one of calcium chloride and/or calcium nitrate;
 - VI) at least one of magnesium chloride, magnesium nitrate, and/or magnesium sulfate; and
 - VII) at least one of aluminum chloride, aluminum nitrate, and/or aluminum sulfate.
13. The method of claim 1, wherein the at least one first compound is at least one of a sodium salt or sodium hydroxide, and the at least one second compound is at least one of calcium chloride and/or calcium nitrate.